**BRUHAT BANGALORE MAHANAGARA PALIKE**

# MEASUREMENT SHEET

## PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains and Providing Covering Slabs at Ramachandrapura, Devappa Layout, Kalathur Layout, Mariyamma Block and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

Estimated Cost : Rs. 30.00 Lakhs

Job Code: 011-20-000119

Head of Account : P-3726 Zonal Public Works

Name of Agency: Sri M.S Raju, # 18, 2nd Main, Amarajothi Layout, Cholanayakanahalli, RT Nagar, Bangalore – 560032.

Work order No: EE/BTP/BBMP/E-PMT/01(41733)/119/2020-21
D: 25-09-2020.

| | Measurements Recarded on : | 08-10-2020 | | | | | |
|---|---|---|---|---|---|---|---|
| Sl No | Description of item | Unit | No | L | B | D | Qty |
| 1 | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. | | | | | | |
| | **Drain Desliting** | Cum | | | | | |
| | 2nd Main Kalathur Layout N/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 25.10 | 0.45 | 0.45 | 5.08 |
| | 2nd Main Kalathur Layout S/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 25.30 | 0.45 | 0.45 | 5.12 |
| | 3rd Main Kalathur Layout N/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 15.30 | 0.45 | 0.45 | 3.10 |
| | 3rd Main Kalathur Layout S/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 15.10 | 0.45 | 0.45 | 3.06 |
| | 4th Main Kalathur Layout N/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 5.50 | 0.45 | 0.45 | 1.11 |
| | | | 1 | 28.50 | 0.45 | 0.45 | 5.77 |
| | | | 1 | 28.20 | 0.45 | 0.45 | 5.71 |
| | | | 1 | 29.20 | 0.45 | 0.45 | 5.91 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 3.20 | 0.45 | 0.45 | 0.65 |
| | 4th Main Kalathur Layout S/S | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 5.50 | 0.45 | 0.45 | 1.11 |
| | | | 1 | 28.50 | 0.45 | 0.45 | 5.77 |
| | | | 1 | 28.20 | 0.45 | 0.45 | 5.71 |
| | | | 1 | 29.30 | 0.45 | 0.45 | 5.93 |
| | | | 1 | 30.00 | 0.45 | 0.45 | 6.08 |
| | | | 1 | 3.30 | 0.45 | 0.45 | 0.67 |

| Sl No | Description of item | Unit | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| | **Berm cutting** | | | | | | |
| | 2nd Main Kalathur Layout N/S | | 1 | 30.00 | 0.90 | 0.25 | 6.75 |
| | | | 1 | 30.00 | 0.85 | 0.20 | 5.10 |
| | | | 1 | 25.10 | 0.60 | 0.30 | 4.52 |
| | 2nd Main Kalathur Layout S/S | | 1 | 30.00 | 0.75 | 0.20 | 4.50 |
| | | | 1 | 30.00 | 0.60 | 0.25 | 4.50 |
| | | | 1 | 25.30 | 0.70 | 0.30 | 5.31 |
| | 3rd Main Kalathur Layout N/S | | 1 | 30.00 | 0.65 | 0.30 | 5.85 |
| | | | 1 | 30.00 | 0.80 | 0.20 | 4.80 |
| | | | 1 | 15.30 | 0.65 | 0.25 | 2.49 |
| | 3rd Main Kalathur Layout S/S | | 1 | 30.00 | 0.75 | 0.30 | 6.75 |
| | | | 1 | 30.00 | 0.60 | 0.25 | 4.50 |
| | | | 1 | 15.10 | 0.60 | 0.20 | 1.81 |
| | 4th Main Kalathur Layout N/S | | 1 | 30.00 | 0.75 | 0.20 | 4.50 |
| | | | 1 | 30.00 | 0.60 | 0.20 | 3.60 |
| | | | 1 | 5.50 | 0.60 | 0.25 | 0.83 |
| | | | 1 | 28.50 | 0.75 | 0.25 | 5.34 |
| | | | 1 | 28.20 | 0.60 | 0.30 | 5.08 |
| | | | 1 | 29.20 | 0.50 | 0.20 | 2.92 |
| | | | 1 | 30.00 | 0.60 | 0.25 | 4.50 |
| | | | 1 | 3.20 | 0.50 | 0.20 | 0.32 |
| | 4th Main Kalathur Layout S/S | | 1 | 30.00 | 0.75 | 0.20 | 4.50 |
| | | | 1 | 30.00 | 0.60 | 0.20 | 3.60 |
| | | | 1 | 5.50 | 0.65 | 0.25 | 0.89 |
| | | | 1 | 28.50 | 0.60 | 0.30 | 5.13 |
| | | | 1 | 28.20 | 0.60 | 0.20 | 3.38 |
| | | | 1 | 29.30 | 0.75 | 0.30 | 6.59 |
| | | | 1 | 30.00 | 0.65 | 0.30 | 5.85 |
| | | | 1 | 3.30 | 0.60 | 0.25 | 0.50 |
| | Culvert | | | | | | |
| | 3rd Main Kalathur Layout | | 1 | 6.00 | 2.00 | 1.20 | 14.40 |
| | | | | | **Total Qty =** | | **268.57** |
| | | | | | **Qty Limited to =** | | **266.85** |

M.S. Raju

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Sl No | Description of item | Unit | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| | Measurements Continued on : | 14.10.2020 | | | | | |
| 2 | Removing and refixing stone slabs of drains and pointing in CM (1:3) | | | | | | |
| | | Sqm | | | | | |
| | 2nd Main Kalathur Layout N/S | | 1 | 25.00 | | 1.35 | 33.75 |
| | | | 1 | 28.00 | | 1.35 | 37.80 |
| | | | 1 | 25.10 | | 1.35 | 33.89 |
| | 2nd Main Kalathur Layout S/S | | 1 | 20.00 | | 1.35 | 27.00 |
| | | | 1 | 15.00 | | 1.35 | 20.25 |
| | | | 1 | 25.30 | | 1.35 | 34.16 |
| | 3rd Main Kalathur Layout N/S | | 1 | 20.00 | | 1.35 | 27.00 |
| | | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 15.30 | | 1.35 | 20.66 |
| | 3rd Main Kalathur Layout S/S | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 15.10 | | 1.35 | 20.39 |
| | 4th Main Kalathur Layout N/S | | 1 | 26.00 | | 1.35 | 35.10 |
| | | | 1 | 23.00 | | 1.35 | 31.05 |
| | | | 1 | 5.50 | | 1.35 | 7.43 |
| | | | 1 | 22.00 | | 1.35 | 29.70 |
| | | | 1 | 28.20 | | 1.35 | 38.07 |
| | | | 1 | 29.20 | | 1.35 | 39.42 |
| | | | 1 | 20.00 | | 1.35 | 27.00 |
| | | | 1 | 3.20 | | 1.35 | 4.32 |
| | 4th Main Kalathur Layout S/S | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 5.50 | | 1.35 | 7.43 |
| | | | 1 | 28.50 | | 1.35 | 38.48 |
| | | | 1 | 28.20 | | 1.35 | 38.07 |
| | | | 1 | 29.30 | | 1.35 | 39.56 |
| | | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 3.30 | | 1.35 | 4.46 |
| | | | 1 | 20.00 | | 1.35 | 27.00 |
| | | | 1 | 15.00 | | 1.35 | 20.25 |
| | | | 1 | 30.00 | | 1.35 | 40.50 |
| | | | 1 | 5.00 | | 1.35 | 6.75 |
| | | | | | **Total Qty =** | | **932.45** |
| | | | | | **Qty Limited to =** | | **931.50** |

Assistant Engineer
Ward No. 11

M.S. Raju

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura
BBMP, Bangalore

| Sl No | Description of item | Unit | No | L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| | Measurements Continued on : | 16-10-2020 | | | | | |
| 5 | Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications | | | | | | |
| | Culvert | | | | | | |
| | 3rd Main Kalathur Layout | Cum | 1 | 6.00 | 2.00 | 0.15 | 1.80 |
| | | | | | **Total Qty =** | | **1.80** |
| | | | | | **Qty Limited to =** | | **1.80** |

M.S. Raju

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Ward No. 11

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Vidyaranyapura Sub Division

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